Southern Nuclear

Jamie M. Coleman
Regulatory Affairs Director
Vogtle 3 & 4

7825 River Road
Waynesboro, GA 30830
706-848-6926 tel

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Southern Nuclear Operating Company
Vogtle Electric Generating Plant Unit 4
ITAAC Closure Notification on Completion of ITAAC 2.3.09.02b [Index Number 422]

Ladies and Gentlemen:

In accordance with 10 CFR 52.99(c)(1), the purpose of this letter is to notify the Nuclear Regulatory Commission (NRC) of the completion of Vogtle Electric Generating Plant (VEGP) Unit 4 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Item 2.3.09.02b [Index Number 422]. This ITAAC verified that testing was performed on Containment Hydrogen Control System components, each non-Class 1E power group is powered from their respective non-Class 1E power group, and simulated test signal exists at the containment hydrogen control component when the assigned non-Class 1E power group is provided the test signal.

The closure process for this ITAAC is based on the guidance described in NEI 08-01, “Industry Guideline for the ITAAC Closure Process under 10 CFR Part 52,” which was endorsed by the NRC in Regulatory Guide 1.215.

This letter contains no new NRC regulatory commitments. Southern Nuclear Operating Company (SNC) requests NRC staff confirmation of this determination and publication of the required notice in the Federal Register per 10 CFR 52.99.

If there are any questions, please contact Kelli Roberts at 706-848-6991.

Respectfully submitted,

Jamie Coleman

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Regulatory Affairs Director Vogtle 3 & 4

Enclosure: Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 2.3.09.02b [Index Number 422]

JMC/CSS/sfr

cc: Regional Administrator, Region ll
Director, Office of Nuclear Reactor Regulation (NRR)
Director, Vogtle Project Office NRR
Senior Resident Inspector – Vogtle 3 & 4

Southern Nuclear Operating Company
ND-23-0173
Enclosure

Vogtle Electric Generating Plant (VEGP) Unit 4
Completion of ITAAC 2.3.09.02b [Index Number 422]

ITAAC Statement

Design Commitment

2.b) The components identified in Table 2.3.9-2 are powered from the respective non-Class 1E power group.

Inspections, Tests, Analyses

Testing will be performed by providing a simulated test signal in each non-Class 1E power group.

Acceptance Criteria

A simulated test signal exists at the equipment identified in Table 2.3.9-2 when the assigned non-Class 1E power group is provided the test signal.

ITAAC Determination Basis

Testing is performed on the components (equipment) identified in the VEGP Unit 4 COL Appendix C Table 2.3.9-2 (Attachment A) to demonstrate they are powered from their respective non-Class 1E power group. This ITAAC performs testing on the equipment identified in Attachment A by providing a simulated test signal in each non-Class 1E power group.

The Unit 4 work packages identified in Reference 1 document completion of power verification activities for the equipment identified in Attachment A. Reference 1 first verifies that power supply cables/wiring are installed and terminated from the applicable non-Class 1E power group distribution panels to the equipment identified in Attachment A using approved construction drawings and cable/wiring termination documentation. Reference 1 then confirms, via cable/wiring termination inspection documentation, that continuity testing was performed on each of the installed cables/wiring to confirm current flow within the installed cable/wiring. The combination of cable/wiring installation and termination verification, with the installed cable/wiring continuity testing, confirms that the equipment identified in Attachment A is powered from its respective non-Class 1E power group.

The Unit 4 work packages documented in Reference 1 confirm that a simulated test signal exists at the equipment identified in Table 2.3.9-2 when the assigned non-Class 1E power group is provided the test signal.

Reference 1 is available for NRC inspection, as well as the Unit 4 ITAAC 2.3.09.02b Completion Package (Reference 2).

ITAAC Finding Review

In accordance with plant procedures for ITAAC completion, Southern Nuclear Operating Company (SNC) performed a review of all findings pertaining to the subject ITAAC and associated corrective actions. This review found there are no relevant ITAAC findings associated with this ITAAC.

ITAAC Completion Statement

Based on the above information, SNC hereby notifies the NRC that ITAAC 2.3.09.02b was performed for VEGP Unit 4 and that the prescribed acceptance criteria were met.

Systems, structures, and components verified as part of this ITAAC are being maintained in their as-designed, ITAAC compliant condition in accordance with approved plant programs and procedures.

References (available for NRC inspection)

1. SV4-VLS-ITR-800422, Rev0, “Unit 4 Containment Hydrogen Control System (VLS): ITAAC 2.3.09.02b NRC Index Number 422”
2. 2.3.09.02b-U4-CP-Rev0, “ITAAC Completion Package”

Attachment A

COL Appendix C Table 2.3.9-2

Equipment Name*	Tag Number*	Power Group Number*
Hydrogen Igniter 01	VLS-EH-01	1
Hydrogen Igniter 02	VLS-EH-02	2
Hydrogen Igniter 03	VLS-EH-03	1
Hydrogen Igniter 04	VLS-EH-04	2
Hydrogen Igniter 05	VLS-EH-05	1
Hydrogen Igniter 06	VLS-EH-06	2
Hydrogen Igniter 07	VLS-EH-07	2
Hydrogen Igniter 08	VLS-EH-08	1
Hydrogen Igniter 09	VLS-EH-09	1
Hydrogen Igniter 10	VLS-EH-10	2
Hydrogen Igniter 11	VLS-EH-11	2
Hydrogen Igniter 12	VLS-EH-12	1
Hydrogen Igniter 13	VLS-EH-13	1
Hydrogen Igniter 14	VLS-EH-14	2
Hydrogen Igniter 15	VLS-EH-15	2
Hydrogen Igniter 16	VLS-EH-16	1
Hydrogen Igniter 17	VLS-EH-17	2
Hydrogen Igniter 18	VLS-EH-18	1
Hydrogen Igniter 19	VLS-EH-19	2
Hydrogen Igniter 20	VLS-EH-20	2
Hydrogen Igniter 21	VLS-EH-21	1
Hydrogen Igniter 22	VLS-EH-22	1
Hydrogen Igniter 23	VLS-EH-23	2
Hydrogen Igniter 24	VLS-EH-24	2
Hydrogen Igniter 25	VLS-EH-25	2
Hydrogen Igniter 26	VLS-EH-26	2
Hydrogen Igniter 27	VLS-EH-27	1
Hydrogen Igniter 28	VLS-EH-28	1
Hydrogen Igniter 29	VLS-EH-29	1
Hydrogen Igniter 30	VLS-EH-30	2
Hydrogen Igniter 31	VLS-EH-31	1
Hydrogen Igniter 32	VLS-EH-32	1
Hydrogen Igniter 33	VLS-EH-33	2
Hydrogen Igniter 34	VLS-EH-34	1
Hydrogen Igniter 35	VLS-EH-35	1

Equipment Name*	Tag Number*	Power Group Number*
Hydrogen Igniter 36	VLS-EH-36	2
Hydrogen Igniter 37	VLS-EH-37	1
Hydrogen Igniter 38	VLS-EH-38	2
Hydrogen Igniter 39	VLS-EH-39	1
Hydrogen Igniter 40	VLS-EH-40	2
Hydrogen Igniter 41	VLS-EH-41	2
Hydrogen Igniter 42	VLS-EH-42	1
Hydrogen Igniter 43	VLS-EH-43	1
Hydrogen Igniter 44	VLS-EH-44	1
Hydrogen Igniter 45	VLS-EH-45	2
Hydrogen Igniter 46	VLS-EH-46	2
Hydrogen Igniter 47	VLS-EH-47	1
Hydrogen Igniter 48	VLS-EH-48	2
Hydrogen Igniter 49	VLS-EH-49	1
Hydrogen Igniter 50	VLS-EH-50	2
Hydrogen Igniter 51	VLS-EH-51	1
Hydrogen Igniter 52	VLS-EH-52	2
Hydrogen Igniter 53	VLS-EH-53	2
Hydrogen Igniter 54	VLS-EH-54	1
Hydrogen Igniter 55	VLS-EH-55	1
Hydrogen Igniter 56	VLS-EH-56	2
Hydrogen Igniter 57	VLS-EH-57	2
Hydrogen Igniter 58	VLS-EH-58	1
Hydrogen Igniter 59	VLS-EH-59	2
Hydrogen Igniter 60	VLS-EH-60	1
Hydrogen Igniter 61	VLS-EH-61	1
Hydrogen Igniter 62	VLS-EH-62	2
Hydrogen Igniter 63	VLS-EH-63	1
Hydrogen Igniter 64	VLS-EH-64	2
Hydrogen Igniter 65	VLS-EH-65	1
Hydrogen Igniter 66	VLS-EH-66	2

*Excerpted from COL Appendix C Table 2.3.9-2